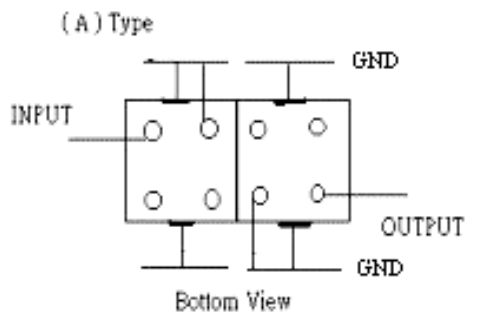
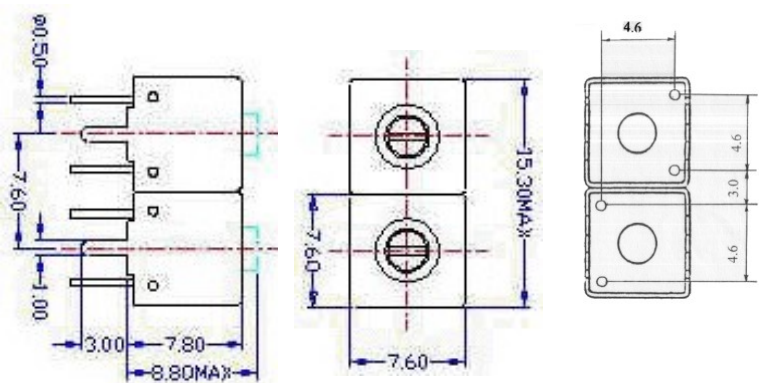


VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TDS2113A-650M
Approval No. /dated	20107008DC	Acceptable Specify Fo. Range	641~660MHz
Work Instruction No.	20107008DC	Date	2001.07.06

<p>(1) Pin Position</p>  <p style="text-align: center;">Bottom View</p>	<p>(2) Size Diagram</p> 
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(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo) +/- 0.5 %	650 MHz	650 MHz	
Tunable Range	650±5 MHz	650±5 MHz	
Insertion Loss	Typ. 3.5 dB	2.7 dB	
-3 dB Bandwidth	Typ. 14 MHz	17 MHz	
Sensitivity (Attenuation)	Fo - 50 MHz	Typ. 26 dBc	29 dBc
	Fo + 50 MHz	Typ. 24 dBc	27 dBc
	Fo - ()MHz	Typ. dBc	dBc
	Fo +()MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	24 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 Ω	
(4) Torque for Tuning Screw	> 100gf · cm		

(5) Temperature Condition:

Operating Temperature	0°C ~ +60°C
Storage Temperature	-20°C ~ +70°C

(6) Input Power

			> 1Watt
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	C.S.Chang	7S2S(4*5.2) 7S046LB4

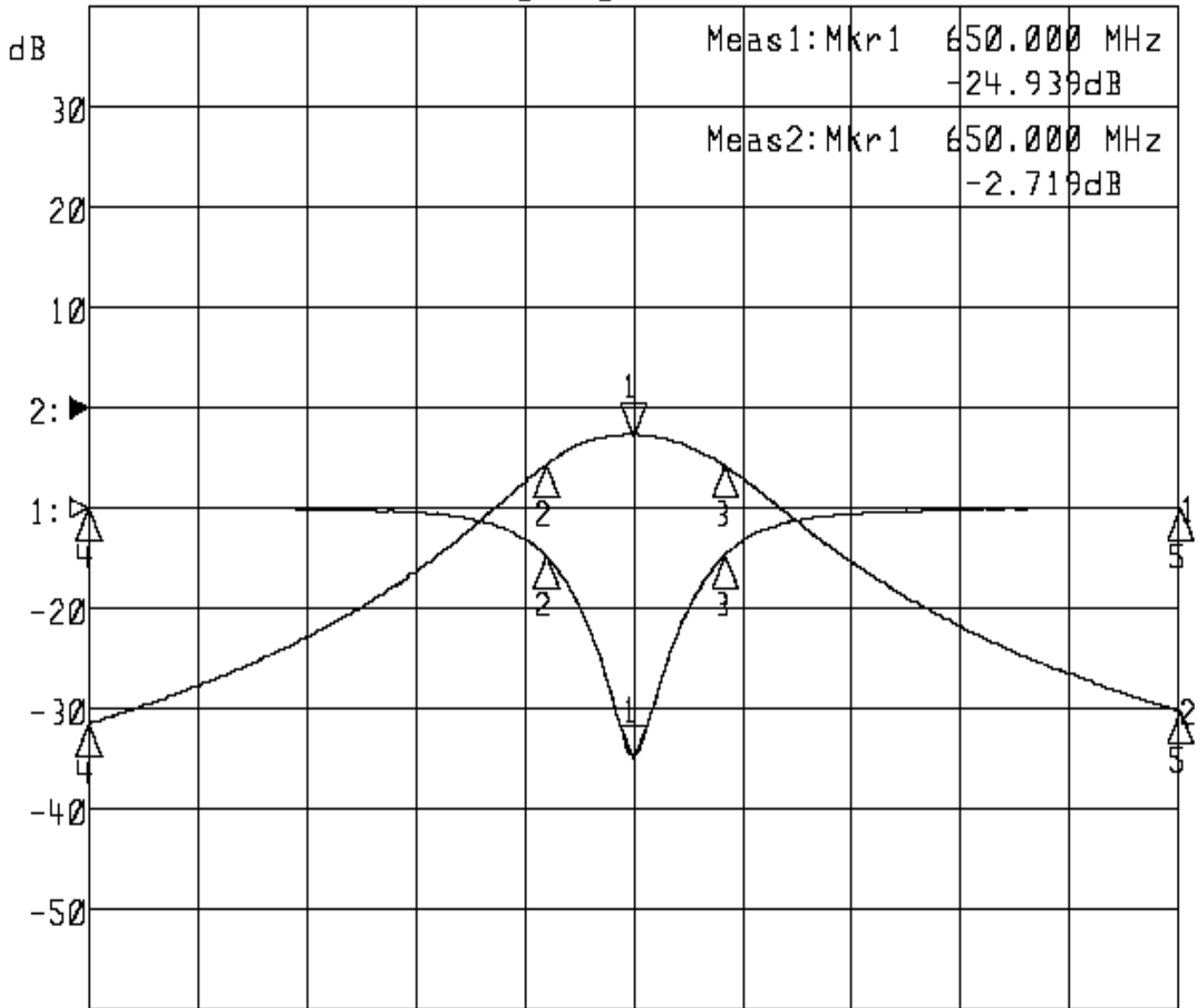
TEMWELL CORPORATION

Performance-TDS2113A-650M

20107008DC

▶1:S11 Refl Port1 Log Mag 10.0 dB/ Ref 0.00 dB C

▶2:S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Center 650.000 MHz

Span 100.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 650.0000	-24.939	1> 650.0000	-2.719
2: 641.9333	-4.671	2: 641.9333	-5.752
3: 658.3333	-4.742	3: 658.3333	-5.730
4: 600.0000	-0.003	4: 600.0000	-31.518
5: 700.0000	-0.011	5: 700.0000	-30.169